



Association of Environmental and Engineering Geologists Inland Empire Chapter, Southern California Section

c/o Cato Geoscience, Inc.
P. O. Box 89130
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www.aegsc.org/chapters/inlandempire
www.aegsc.org
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"The Future of the Geoscience Workforce – Developing a Career in the Earth Sciences"

Wednesday 15-Oct-2008

5:00 - 6:20	Geologist Orientation	Geology Building Courtyard
6:20 - 7:20	Dinner Meeting	Geology Building Courtyard
7:30 - 8:30	Guest Speaker Presentation	Pierce Hall Class Room (TBA)

Place of Meeting

University of California, Riverside

(Parking Fee at Parking Kiosk \$5.00, special directions, See attached or website)

(Meeting Cost \$20.00)

(Fund-raising donation suggested is \$5.00, or more)

(RSVP/Directions below)

**** AEG and Hewett Club Joint Meeting with Department of Earth Sciences, and Related Departments. ****

Future Meeting Details (see inside)

Next RSVP Due COB 9-Oct-08

Send Name, Company/Affiliation

to rick.gundry@verizon.net, or

leave message at (951) 836-1628

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This Month's Speaker :

Stephen M. Testa, Executive Officer, State Mining and Geology Board, California Department of Conservation, Sacramento, California

Abstract

From the early 1980s through the late 1990s, the employment of geoscientists was analogous to being on a rollercoaster. Between 1986 and 2005, geoscientist employment exhibited notable changes with a decrease in the petroleum workforce (50% to 43%), and increases in academia (7% to 17%), government (12% to 18%), and mining (9% to 12%) workforces, with other sectors remaining relatively steady (e.g. environmental - 7% to 8%). The American Geological Institute (AGI) is a nonprofit federation of 44 geoscientific and professional associations that represents more than 100,000 geologists, geophysicists, and other earth scientists. In Spring 2005, AGI reported on a survey conducted to assess opportunities for intersociety cooperation and identified the future human resources and workforce needs as an important area that required assessment and analysis. The

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Program Chairman
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Rick Gundry (see above)

Past Presidents
- Frank Jordan 2005
- Gary Wallace 2006
- Rick Gundry 2007
- Mike Cook 2008

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more information visit web-
sites shown in Newshead
page

Submittals: Deadline 20th of
the month. Employment
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current state of the geoscience workforce was summarized as follows: 50% of geoscience highest degree earners do not work as geoscientists, 50% of working geoscientists did not have their highest degree in the geosciences, functionally there was no unemployment of individuals with either a M.S. or PhD degree in geology, a rapid new hire demand existed, and employer dissatisfaction with new hires was expressed. Since 2005, AGI established a series of workforce data snapshots addressing such topics as student aid, National Science Foundation Fellowships, starting salaries and salaries by experience, geoscience enrollments by State and degrees, female participation and employment sectors, among others. There is much students can do in preparing for entry into the geoscience workforce. Discussion of past and future employment trends, AGI's workforce snapshots, and how students in the earth sciences can effectively prepare for entry and be competitive in the geoscience workforce will be presented.

Speaker Biography

Stephen M. Testa was appointed Executive Officer of the California State Mining and Geology Board in August 2005. From 1976 until August 2005, he served as an engineering and environmental consultant for a variety of international firms. Immediately prior to his appointment as Executive Officer of the SMGB, he also served since 2001 as a consultant and mine inspector on behalf of the SMGB. Mr. Testa is the author of 11 books including *Geological Aspects of Hazardous Waste Management*, *The Reuse and Recycling of Contaminated Soils*, and *Restoration of Contaminated Aquifers: Petroleum Hydrocarbons and Organic Compounds*, and *Petroleum in the Environment*, and over 125 publications. He has served as an instructor at USC and CSU Fullerton, and has provided numerous workshops and technical presentations to federal and state government agencies, universities, historical societies and various professional associations. Mr. Testa is the Past-President of the American Geological Institute (AGI) and the American Institute of Professional Geologists (AIPG), and past Editor-in-Chief of American Association of Petroleum Geologists "Division of Environmental Geosciences" (AAPG-DEG's) peer review journal "Environmental Geosciences," and the recipient of the AIPG's Martin Van Couvering Award, AAPG-DEG's Research Award, and the Roy Shlemon Geology Mentor Honorarium for excellence in application of applied earth science. Mr. Testa currently serves as Vice-Chair of the International Year of Planet Earth National Committee, and on the Board of Directors for the Petroleum History Institute. stesta@goldrush.com

Comments from the Chapter Chair

Greetings fellow AEG Inland members,

I am pleased to serve as Chairman of the AEG INLAND EMPIRE CHAPTER, the most active organization serving engineering and environmental geologists in Southern California. **We have many plans for the upcoming year – more on this in future columns. For now let me say that I am honored to be surrounded by dedicated and passionate individuals who are looking out for your professional interests. I am enthused to be surrounded by an experienced group of officers. Frank Jordan has stepped back into the mix as our Vice President North; you will remember that Frank served as the first President of the Chapter, and then as Vice-President South. Mitch Bornyas is again representing the South part of the Chapter as your Vice President South. Dave Gaddie will be your steady Secretary again, imparting his wisdom as only he can do. Ernie Roumelis will be joining the group as your Treasurer. Rick Gundry has begun assembling a great slate of speakers lined up through February 2009. Check out the calendar at http://www.aegsc.org/chapters/inlandempire/calendar/index.php#next_event. Rick has also generously agreed to be our Newsletter Editor again – a big thank you Rick.**

In late September I attended the AEG Annual Meeting in New Orleans, LA. AEG's Southern Mississippi Section, led by my old Texas A&M colleagues Darrel Schmitz and James May did a wonderful job putting together a great technical and social program. New Orleans is an experience. From the musty first breath you take as you get off the plane, to the shuttle attendant's accents that I struggled to interpret, to the carnival atmosphere on Bourbon Street, no doubt about it this place has character! The Jazz music is, well, just out of this world.

I went to the city wondering about its recent history and recovery and what I found should give us all pause about disaster planning, recovery, and policy. By all accounts Katrina KO'd The Big Easy. The Lower 9th Ward is now a plain with scattered new homes. Only scattered concrete foundations remain of the old homes. The French Quarter was spared the flooding, but economically is still recovering. The U.S. Army Corps of Engineers has taken heat regarding the quality of levee construction. Forensic investigations have pointed out numerous design and construction flaws, and those are serious errors. But this fluvio-deltaic environment would be challenging for any major infrastructure project. I found however, that the biggest problem seemed to be that the failed levees did not address the correct hazard – that of storm surge. How was this missed? The lesson to be learned is that when you are in the swamp (literally in this case) to keep your focus on the real problem.

Let me close by saying that if anyone has suggestions, questions, or problems regarding the Inland Chapter please call or email me. My voice mail and email are always on and I will try and get back to you promptly. Again let me say that I am honored to be your Chairman and I look forward to this year's Chapter activities.

- Dr. Kerry Cato, Chairman, AEG Inland Empire Chapter

Thanks

Thanks to the following individuals who volunteered for positions as Officers for the operating term 1-Oct-08 through 30-Sep-09 for the Inland Empire Chapter:

Chairman	Dr. Kerry Cato	Cato Geoscience, Inc.	Temecula, CA
Vice-Chair North	Frank Jordan	John R. Byerly, Incorporated	Bloomington, CA
Vice-Chair South	Mitch Bornyasz	Leighton Group	Temecula, CA
Treasurer	Ernest Roumelis	AKW Geotechnical, Inc.	Temecula, CA
Secretary	Dave Gaddie	Riverside County RCTLMA	Riverside, CA

Thanks also for the following who volunteered to continue as Committee Persons:

Membership	Richard Orr	Leighton Group	Rancho Cucamonga, CA
Field Trips	Mark Spykerman	Earth Systems, Southwest,	Rancho Cucamonga, CA
Programs	Rick Gundry	Inland Geologic, Inc.	Moreno Valley, CA
Newsletter Ed.	Rick Gundry	Inland Geologic, Inc.	Moreno Valley, CA

Please note that if you would like to assist in some small or large way we can use your assistance in many topics or other events, even some we need to know from you about if you have any ideas. Please contact Chairman Kerry Cato if you are interested.

Meeting Details and Location

Advance RSVP is requested by Thursday 9-Oct-2008
by Close of Business:

RSVP Due by COB 9-Oct-08 Send Name,
Company/Affiliation to Rick Gundry by e-Mail to
rick.gundry@verizon.net, or call (951) 836-1628 and
mention "AEG Meeting" in RSVP.

Location:

University of California, Riverside
Geology Building (Courtyard)
900 University Avenue
Riverside, CA 92521
(951) 827-1012 (Campus Information)
(951) 827-5222 (Campus Police)
SEE MAP FOR PARKING

Directions to Meeting:

From the I-215 and US 60 in Riverside, EXIT at University Avenue and proceed Eastward to the UCR Campus to park and negotiate travel per the attached Map. Once east of I-215/60 turn right on Canyon Crest Drive to Parking Kiosk for parking Fee payment, and proceed from there using the directions to park at Lot 13 (NOT Visitor Lot 10), the closest Lot to Geology Building. You may otherwise park in any red, blue or gold Lot @ \$5.00 (except spaces marked PAY BY or RESERVED. Walk to Geology Building (Courtyard west side of middle of structure) . Visitor Parking lot spaces are good for only two hours at a time (NO CASH, Card only). Beware, the staff of the Parking Gestapo is extensive, and Lots are permeated frequently by them seeking to cite violators. (See attached Maps or Website)

Meeting Venue: Courtyard Cook-Out

Sausages and Hamburgers w/ veggie alternatives with bread buns and amenities, such as potato salad and baked beans, potato and corn/tortilla chips, including lettuce, tomatoes, onions, pickles and sauerkraut, and condiments, accordingly, salsa and peppers. Iced beverages will be available.

Future AEG Inland Empire Chapter Meetings

NOV Wednesday Nov 19th, Murietta, CA
– – “TBA” regarding Bunker Hill Basin (new)
Wes Danskin, U. S. Geological Survey, San Diego

DEC 2008 — NO MEETING

JAN Wednesday January 21st, 2009, TBA, CA
___ ___ “TBA” regarding groundwater science
Dr. John Izbicki, U. S. Geological Survey, San Diego

FEB Wednesday February 18th, 2009, _TBA_, CA
___ ___ “Scour of Rock – Rates and Threshold Conditions”
Dr. Jeffrey R. Keaton, MACTEC, Los Angeles, CA

GEOLOGICAL FIELD TRIPS

San Diego Association of Geologists (Coachella Valley)

- "Oasis in the Desert: Geology, Hydrogeology, and History of Groundwater in the Coachella Valley, California"
 - SDAG ANNUAL FIELD TRIP
 - October 17th-19th, 2008
- ssnyder@ninyoandmoore.com

Friends of the Pleistocene, First Announcement - 2008 Pacific Cell Field Trip

(Western Salton Trough)

- Field trip, November 14-16, 2008. Focuss: Cross-correlation of Quaternary dating techniques, slip rates and tectonic models for the western Salton Trough.
- Organizers and Leaders: Tom Rockwell, Mike Oskin, Kim Le, Lewis Owen, Warren Sharp, Kate Fletcher, Susanne Janecke, Becky Dorsey, Caitlin Lippincott, Eldon Gath and George Jefferson.

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CONFERENCE

JAN Sun-Sat Jan 4th-11th 2009, Tucson, Ari
– – “International Conference on Rock Joints and Jointed Rock Masses”
P.H.S.W. Kutatilake and Associates, Conference Chair, Professor, University of Arizona, Tucson, Arizona.

(Abstracts due 30-April-08, field trips/papers)
<http://jointedrock2009.org>

Inland Empire Chapter Officers and Section/National Contact Information

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